If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

4.120.102.g NASA National Space Radiation Laboratory (NSRL) (Peer 27) Power Up Tests

Attachment

C-A-OPM Procedures in which this Attachment is used.			
4.120.102			

Hand Processed Changes

		der-Accelerator Depart		Date
	Approved:	Signature on Fi	To	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>	

V. Castillo

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:
Division B Software Filename and Checksum: Title:	Checksum:
Initial testing complete:	
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date://
Acceptance test procedure complete (following repairs and retesting if req	uired):
Test Team Leader's Name (Print):	Life Number:
Test Team Leader's Name (Sign):	Date:/
<u>Test results reviewed by:</u>	
Safety Section Head's Name (Print):	Life Number:
Safety Section Head's Name (Sign):	Date://
Test results accepted by Radiation Safety Committee:	
RSC Member's Name (Print):	Life Number:
RSC Member's Name (Sign):	Date://

1.1 Test Division A for Power-up conditions

PLACE VERIFY	Peer 27 in CA, Mode 16 Peer 27 is in CA	MODE 16
RESET	Peer 27 gates: BGE1, BGI1, BGI2 and BGE2	
VERIFY	Peer 27 gates: BGE1, BGI1, BGI2 and BGE2 are	RESET
FORCE	Sweep of Zone NSRL-Z1, Zone NSRL-Z2 and Zone NSRL-Z3	
VERIFY	Zone NSRL-Z1 [], Zone NSRL-Z2 [] and Zone NSRL-Z3 []	SWEPT
TURN OFF	AC Power to the Peer 27 Division A PLC	
VERIFY	AC Power to the Peer 27 Division A PLC is	TURNED OFF
WAIT TURN ON VERIFY VERIFY RESET VERIFY VERIFY	30 Seconds AC Power to the Peer 27 Division A PLC AC Power to the Peer 27 Division A PLC is MCR sees Peer 27 Restricted Access light Div A Hardware Faults Div A Hardware Faults are MCR sees Div A Critical Devices: Z1PCD [], Z2PCD [], Z3PCD [], Z1RBCD [] and Z2RBCD []	TURNED ON OFF RESET SAFE
VERIFY	MCR sees Peer 27 Div A gates: ☐ BGE1, ☐ BGI1, ☐ BGI2 and ☐ BGE2 are	NOT RESET
VERIFY VERIFY	MCR sees Peer 27 Div A Crash Systems are MCR sees Peer 27 Div A: Zone NSRL-Z1, Zone NSRL-Z2 and Zone NSRL-Z3	NOT CRASHED NOT SWEPT

☐ Check for Acceptance of Test of Division A for Power-up conditions

		PLACE VERIFY	Peer 27 in CA, Mode 16 Peer 27 is in CA	MODE 16
		RESET	Peer 27 gates: BGE1, BGI1, BGI2 and BGE2	
		VERIFY	Peer 27 gates: BGE1, BGI1, BGI2 and BGE2 are	RESET
		FORCE	Sweep of Zone NSRL-Z1, Zone NSRL-Z2 and Zone NSRL-Z3	
		VERIFY	Zone NSRL-Z1 [], Zone NSRL-Z2 [] and Zone NSRL-Z3 []	SWEPT
		TURN OFF	AC Power to the Peer 27 Division B PLC	
		VERIFY	AC Power to the Peer 27 Division B PLC is	TURNED OFF
		WAIT TURN ON VERIFY VERIFY RESET VERIFY	30 Seconds AC Power to the Peer 27 Division B PLC AC Power to the Peer 27 Division B PLC is MCR sees Peer 27 Restricted Access light Div B Hardware Faults Div B Hardware Faults are	TURNED ON OFF RESET
		VERIFY	MCR sees Div B Critical Devices: Z1PCD [], Z2PCD [], Z3PCD [], Z1RBCD [] and Z2RBCD []	SAFE
		VERIFY	MCR sees Peer 27 Div B gates: ☐ BGE1, ☐ BGI1, ☐ BGI2 and ☐ BGE2 are	NOT RESET
		VERIFY VERIFY	MCR sees Peer 27 Div B Crash Systems are MCR sees Peer 27 Div B: Zone NSRL-Z1, Zone NSRL-Z2 and Zone NSRL-Z3	NOT CRASHED NOT SWEPT
	Ch	neck for Accep	tance of Test of Division B for Power-up conditions	
			END OF TEST PROCEDURE	
TTL:	Sign	ı for completio	on of initial testing:	
	D	oate:/		
TTL:	Sign	ı for completio	on of final testing:	
	D	oate:/		

1.2 Test Division B for Power-up conditions